CLASS SPECIFICATION

SAN DIEGO CITY CIVIL SERVICE COMMISSION

<u>APPLICATIONS PROGRAMMER II</u>

<u>DEFINITION</u>:

Under direction, to design, program, test, and maintain specialized control systems applications in a water or wastewater treatment environment; and to perform related work.

<u>DISTINGUISHING CHARACTERISTICS</u>:

This is the super-journey level in the Applications Programmer series. Positions are assigned the full range of programming duties for developing the most complex customized control systems applications, with very limited oversight from other levels within either the programmer series or the Information Systems Analyst series. Positions may lead the work of outside contractors and vendors, as well as subordinate City staff. Positions are utilized only within the Operations and Maintenance Division of the Metropolitan Wastewater Department, control systems function of ComNet. They are distinguished from "business programmers" which may be utilized under contract by some City departments based on the higher level of technical knowledge needed to develop customized applications for wastewater control systems applications.

* <u>EXAMPLES OF DUTIES</u>:

- Develops the most complex control systems programs using ladder logic, C, or similar programming languages;
- Troubleshoots existing programs to eliminate problems or correct errors;
- Modifies existing software applications using compilers and similar programming tools;
- Leads the work of outside vendors and City staff to develop new applications to meet changing control systems needs;
- Performs other programming related tasks as needed.

<u>MINIMUM QUALIFICATIONS</u>:

Please note: the minimum qualifications stated below are a guide for determining the education, training, experience, special skills, and/or license which may be required for employment in the class. These are re-evaluated each time the position is opened for recruitment. Please refer to the most recent Job Announcement for updated minimum qualifications.

College graduation with a Bachelor's degree in Computer Science, **AND** three years of experience programming using a variety of hardware and software platforms. Qualifying programming experience would include extensive use of C or Compiled Ladder Logic programming languages.

* **EXAMPLES OF DUTIES** performed by employees in this class. The list may not include all required duties, nor are all listed tasks necessarily performed by everyone in this class.